

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/848,107

DATE: 05/16/2001
TIME: 14:49:24

Input Set : A:\SEQLIST.TXT;SEQ
Output Set: N:\CRF3\05162001\I848107.raw

ENTERED

```

4 <110> APPLICANT: Persson, Egon
5     Olsen, Ole Hvilsted
7 <120> TITLE OF INVENTION: Human Coagulation Factor VII Variants
10 <130> FILE REFERENCE: 6176.200-US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/848,107
13 <141> CURRENT FILING DATE: 2001-05-03
15 <150> PRIOR APPLICATION NUMBER: PA 2000 00734
16 <151> PRIOR FILING DATE: 2000-05-03
18 <150> PRIOR APPLICATION NUMBER: PA 2000 01360
19 <151> PRIOR FILING DATE: 2000-09-13
21 <150> PRIOR APPLICATION NUMBER: 60/204,712
22 <151> PRIOR FILING DATE: 2000-05-16
24 <150> PRIOR APPLICATION NUMBER: 60/236,892
25 <151> PRIOR FILING DATE: 2000-09-29
27 <160> NUMBER OF SEQ ID NOS: 27
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 426
33 <212> TYPE: PRT
34 <213> ORGANISM: Human
36 <400> SEQUENCE: 1
37 Ala Asn Ala Phe Leu Gly Leu Ala Gly Leu Ala Leu Arg Pro Gly Ser
38   1           5           10          15
39 Leu Gly Leu Ala Arg Gly Leu Ala Cys Lys Gly Leu Ala Gly Leu Ala
40   20          25          30
41 Gln Cys Ser Phe Gly Leu Ala Gly Leu Ala Ala Arg Gly Leu Ala Ile
42   35          40          45
43 Phe Lys Asp Ala Gly Leu Ala Arg Thr Lys Leu Phe Trp Ile Ser Tyr
44   50          55          60
45 Ser Asp Gly Asp Gln Cys Ala Ser Ser Pro Cys Gln Asn Gly Gly Ser
46   65          70          75          80
47 Cys Lys Asp Gln Leu Gln Ser Tyr Ile Cys Phe Cys Leu Pro Ala Phe
48   85          90          95
49 Glu Gly Arg Asn Cys Glu Thr His Lys Asp Asp Gln Leu Ile Cys Val
50   100         105         110
51 Asn Glu Asn Gly Gly Cys Glu Gln Tyr Cys Ser Asp His Thr Gly Thr
52   115         120         125
53 Lys Arg Ser Cys Arg Cys His Glu Gly Tyr Ser Leu Leu Ala Asp Gly
54   130         135         140
55 Val Ser Cys Thr Pro Thr Val Glu Tyr Pro Cys Gly Lys Ile Pro Ile
56   145         150         155         160
57 Leu Glu Lys Arg Asn Ala Ser Lys Pro Gln Gly Arg Ile Val Gly Gly
58   165         170         175
59 Lys Val Cys Pro Lys Gly Glu Cys Pro Trp Gln Val Leu Leu Leu Val
60   180         185         190
61 Asn Gly Ala Gln Leu Cys Gly Gly Thr Leu Ile Asn Thr Ile Trp Val
62   195         200         205

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/848,107

DATE: 05/16/2001
TIME: 14:49:24

Input Set : A:\SEQLIST.TXT;SEQ
Output Set: N:\CRF3\05162001\I848107.raw

63 Val Ser Ala Ala His Cys Phe Asp Lys Ile Lys Asn Trp Arg Asn Leu
 64 210 215 220
 65 Ile Ala Val Leu Gly Glu His Asp Leu Ser Glu His Asp Gly Asp Glu
 66 225 230 235 240
 67 Gln Ser Arg Arg Val Ala Gln Val Ile Ile Pro Ser Thr Tyr Val Pro
 68 245 250 255
 69 Gly Thr Thr Asn His Asp Ile Ala Leu Leu Arg Leu His Gln Pro Val
 70 260 265 270
 71 Val Leu Thr Asp His Val Val Pro Leu Cys Leu Pro Glu Arg Thr Phe
 72 275 274 280 285
 73 Ser Glu Arg Thr Leu Ala Phe Val Arg Phe Ser Leu Val Ser Gly Trp
 74 290 295 300
 75 Gly Gln Leu Leu Asp Arg Gly Ala Thr Ala Leu Glu Leu Met Val Leu
 76 305 310 315 320
 77 Asn Val Pro Arg Leu Met Thr Gln Asp Cys Leu Gln Gln Ser Arg Lys
 78 325 330 12 335
 79 Val Gly Asp Ser Pro Asn Ile Thr Glu Tyr Met Phe Cys Ala Gly Tyr
 80 340 345 350
 81 Ser Asp Gly Ser Lys Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro His
 82 355 360 365
 83 Ala Thr His Tyr Arg Gly Thr Trp Tyr Leu Thr Gly Ile Val Ser Trp
 84 370 375 380
 85 Gly Gln Gly Cys Ala Thr Val Gly His Phe Gly Val Tyr Thr Arg Val
 86 385 390 395 400
 87 Ser Gln Tyr Ile Glu Trp Leu Gln Lys Leu Met Arg Ser Glu Pro Arg
 88 405 410 415
 89 Pro Gly Val Leu Leu Arg Ala Pro Phe Pro
 90 420 425
 92 <210> SEQ ID NO: 2
 93 <211> LENGTH: 23
 94 <212> TYPE: PRT
 95 <213> ORGANISM: Human
 97 <400> SEQUENCE: 2
 98 Leu Asn Val Pro Arg Leu Met Thr Gln Asp Cys Leu Gln Gln Ser Arg
 99 1 5 10 15
 100 Lys Val Gly Asp Ser Pro Asn
 101 20
 103 <210> SEQ ID NO: 3
 104 <211> LENGTH: 18
 105 <212> TYPE: PRT
 106 <213> ORGANISM: Human
 108 <400> SEQUENCE: 3
 109 Leu Lys Ala Pro Ile Leu Asp Asn Ser Ser Cys Lys Ser Ala Tyr Pro
 110 1 5 10 15
 111 Gly Gln
 114 <210> SEQ ID NO: 4
 115 <211> LENGTH: 18
 116 <212> TYPE: PRT
 117 <213> ORGANISM: Human

RAW SEQUENCE LISTING DATE: 05/16/2001
PATENT APPLICATION: US/09/848,107 TIME: 14:49:24

Input Set : A:\SEQLIST.TXT;SEQ
Output Set: N:\CRF3\05162001\I848107.raw

119 <400> SEQUENCE: 4
120 Val Asn Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg
121 1 5 10 15
122 Ile Arg
125 <210> SEQ ID NO: 5
126 <211> LENGTH: 18
127 <212> TYPE: PRT
128 <213> ORGANISM: Human
130 <400> SEQUENCE: 5
131 Leu Glu Val Pro Tyr Val Asp Arg Asn Ser Cys Lys Leu Ser Ser Ser
132 1 5 10 15
133 Phe Ile
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 18
138 <212> TYPE: PRT
139 <213> ORGANISM: Human
141 <400> SEQUENCE: 6
142 Leu Met Thr Gln Asp Cys Leu Gln Gln Ser Arg Lys Val Gly Asp Ser
143 1 5 10 15
144 Pro Asn
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 13
149 <212> TYPE: PRT
150 <213> ORGANISM: Human
152 <400> SEQUENCE: 7
153 Leu Asp Asn Ser Ser Cys Lys Ser Ala Tyr Pro Gly Gln
154 1 5 10
156 <210> SEQ ID NO: 8
157 <211> LENGTH: 13
158 <212> TYPE: PRT
159 <213> ORGANISM: Human
161 <400> SEQUENCE: 8
162 Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
163 1 5 10
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 13
167 <212> TYPE: PRT
168 <213> ORGANISM: Human
170 <400> SEQUENCE: 9
171 Val Asp Arg Asn Ser Cys Lys Leu Ser Ser Ser Phe Ile
172 1 5 10
174 <210> SEQ ID NO: 10
175 <211> LENGTH: 13
176 <212> TYPE: PRT
177 <213> ORGANISM: Human
179 <400> SEQUENCE: 10
180 Leu Asn Val Pro Arg Leu Met Thr Gln Asp Cys Leu Gln
181 1 5 10
183 <210> SEQ ID NO: 11

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/848,107

DATE: 05/16/2001

TIME: 14:49:24

Input Set : A:\SEQLIST.TXT;SEQ
Output Set: N:\CRF3\05162001\I848107.raw

184 <211> LENGTH: 13
185 <212> TYPE: PRT
186 <213> ORGANISM: Human
188 <400> SEQUENCE: 11
189 Leu Lys Ala Pro Ile Leu Asp Asn Ser Ser Cys Lys Ser
190 1 5 10
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 13
194 <212> TYPE: PRT
195 <213> ORGANISM: Human
197 <400> SEQUENCE: 12
198 Val Asn Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp
199 1 5 10
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 13
203 <212> TYPE: PRT
204 <213> ORGANISM: Human
206 <400> SEQUENCE: 13
207 Leu Glu Val Pro Tyr Val Asp Arg Asn Ser Cys Lys Leu
208 1 5 10
210 <210> SEQ ID NO: 14
211 <211> LENGTH: 8
212 <212> TYPE: PRT
213 <213> ORGANISM: Human
215 <400> SEQUENCE: 14
216 Leu Met Thr Gln Asp Cys Leu Gln
217 1 5
219 <210> SEQ ID NO: 15
220 <211> LENGTH: 8
221 <212> TYPE: PRT
222 <213> ORGANISM: Human
224 <400> SEQUENCE: 15
225 Leu Asp Asn Ser Ser Cys Lys Ser
226 1 5
228 <210> SEQ ID NO: 16
229 <211> LENGTH: 8
230 <212> TYPE: PRT
231 <213> ORGANISM: Human
233 <400> SEQUENCE: 16
234 Val Glu Arg Pro Val Cys Lys Asp
235 1 5
237 <210> SEQ ID NO: 17
238 <211> LENGTH: 8
239 <212> TYPE: PRT
240 <213> ORGANISM: Human
242 <400> SEQUENCE: 17
243 Val Asp Arg Asn Ser Cys Lys Leu
244 1 5
246 <210> SEQ ID NO: 18

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/848,107

DATE: 05/16/2001
TIME: 14:49:25

Input Set : A:\SEQLIST.TXT;SEQ
Output Set: N:\CRF3\05162001\I848107.raw

```

247 <211> LENGTH: 25
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Synthetic
254 <400> SEQUENCE: 18
255 cgtccccgg gtgatgaccc aggac 25
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 25
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Synthetic
265 <400> SEQUENCE: 19
266 gtcctgggtc atcacccgg gcacg 25
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 36
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Synthetic
276 <400> SEQUENCE: 20
277 tctagatacc cagtcttgcc tgcagcagtc acggaa 36
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 36
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Synthetic
287 <400> SEQUENCE: 21
288 ttccgtgact gctgcaggca agactggta tctaga 36
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 26
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic
298 <400> SEQUENCE: 22
299 ccgtgggcca ccctgggtg tacacc 26
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 26
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Synthetic
309 <400> SEQUENCE: 23
310 ggtgtacacc ccagggtggc ccacgg 26
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 31

```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/848,107

DATE: 05/16/2001
TIME: 14:49:26

Input Set : A:\SEQLIST.TXT;SEQ
Output Set: N:\CRF3\05162001\I848107.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number